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#### Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
  - as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, Cl, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
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(54) Title: INSTRUMENTATION, ARTICLES OF MANUFACTURE, AND ANALYSIS METHODS

(57) Abstract: Analysis methods are provided that include generating a sample data set using a sample, the sample data set comprising first and second data sets, wherein each of the first and second data sets comprises at least one of an analytical parameter and a sample characteristic acquired using the analytical parameter; and using the first and the second data sets, identifying the sample. Instruments including an ionization source configured to apply different ionization energies to a sample to provide different sample characteristics, and processing circuitry configured to process the different sample characteristics to identify the sample are provided.



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A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : H01J 49/00  US CL : 250/282, 281,288,286  According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  U.S.: 250/282, 281,288,286  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	Relevant to claim No.		
Y,P US	6,717,130 B2 (Bateman et al) 06 April 2004 (06.0	2,12,17-18, and 23-26		
X US 6,541,765 B1 (Vestal) 01 April 2003 (01.04.2003 41-59,col.8, lines 40-43			1-,3-11,13-16,19-22, and 27-51  2,12,17-18, and 23-26	
		See resent family appay		
Further documents are listed in the continuation of Box C. See patent family annex.		- 1 Cli - des es esterios		
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